

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An apparatus comprising:
an input for receiving a first data signal sampled at a first rate, the first data signal including physiological data of a patient; and
a converter configured for sampling the first data signal at a second rate to generate therefrom a second data signal having data points such that the position of the data points relative to one another in the first data signal, the convert further configured to calculate a phase error for each data point included in the second data signal.
2. (Original) The apparatus of claim 1, further comprising multiple first data signals are received at approximately the same time.
3. (Original) The apparatus of claim 1, further comprising a video monitor for displaying the second data signal.
4. (Original) The apparatus of claim 1, wherein the data window has a predetermined number of data points having respective values.
5. (Original) The apparatus of claim 1, wherein the first rate is approximately 240 Hertz.
6. (Original) The apparatus of claim 1, wherein the first rate is approximately 120 Hertz.

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7. (Original) The apparatus of claim 1, wherein the second rate is less than the first rate.
8. (Original) The apparatus of claim 7, wherein the second rate is approximately 60 Hertz.